

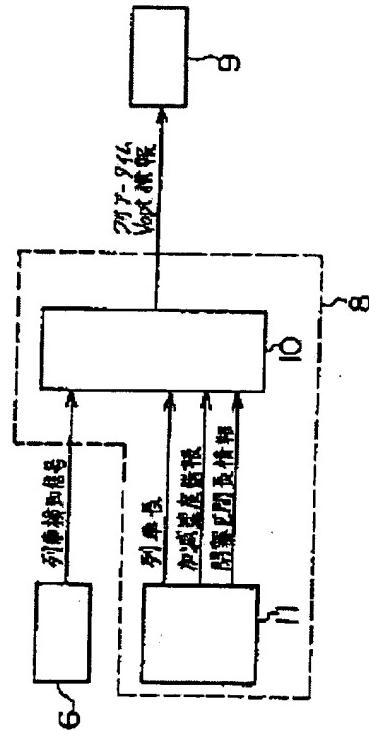
**DEVICE AND METHOD FOR CONTROLLING TRAIN**

**Patent number:** JP3213459  
**Publication date:** 1991-09-18  
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**Applicant:** HITACHI LTD  
**Classification:**  
- **international:** B61L3/00; B60L3/00; B60L15/40  
- **european:**  
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**Abstract of JP3213459**

**PURPOSE:** To perform further denser operation of a train by predicting a time, in which the limit speed of a subsequent train is changed to an upper grade, from the advancing state of a preceding train and deciding the limit speed pattern of the subsequent train so as to coincide with the time.

**CONSTITUTION:** In a train control device to control operation of a train so as to allow running of only a single train in the one block section of a truck divided into a plurality of sections, a computing part 10 in an operation managing device 8 on the ground side computes a real time and an optimum speed from the length of a train, lower limit speed information, and lock section length information from a memory 11, and a train detecting signal from a train detecting device 6. The computing result is transmitted to a device on a train from an information transmitting device 9. From the advancing state of a preceding train, the limit speed of a subsequent train is determined, and a time in which the limit speed is changed to an upper grade is predicted. During running of the subsequent train to a specified spot, operation of the subsequent train is controlled based on a limit speed pattern according to which the arrival time of the subsequent train almost coincides with a predicting time.

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